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# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : **FUJITSU LTD**

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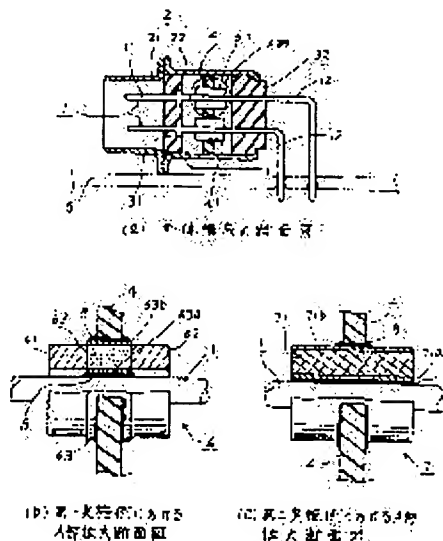
(72)Inventor : **TAKAHASHI TOMOYUKI**

**(54) CONNECTOR**

(57)Abstract:

**PURPOSE:** To obtain a smaller connector and improved noise signal shut-out characteristics by member cementing a single filter element to a contact with both capacitance and inductance elements provided on the single filter element of the connector.

CONSTITUTION: Each of multiple contacts 1 is made up of a male-side contacting portion 12 which is inserted into its mating side, a terminal portion 12 which is bent in the shape of an 'L' and is connected to a printed circuit board. etc., and a locking portion that extends between them. These contacts are embedded in insulators 31, 32 at a prescribed pitch, and are surrounded by a metallic shell 2. An earth plate 4 is held between the front shell 21 and the rear shell 22 of the shell 2. The earth plate 4 is provided with a metal plate of a specified thickness in which an opening portion 41 is formed that penetrates and holds a filter element 6, 7 attached to each contact, or with a ceramic plate which has a conductor pattern printed and baked on one side of it which includes the inner surface of the penetrating hole 41. The element 6, 7 provides a filter circuit made up of both capacitance and inductance elements.



## LEGAL STATUS

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